



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

DATE: April 18, 2005

SUBJECT: Potential Supplemental Air Photo Analysis
South Dayton Dump Site, Moraine, Ohio

FROM: Karen Cibulskis, Remedial Project Manager
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In June 2002 EPA's Environmental Sciences Division drafted an Aerial Photographic Analysis of South Dayton Dump Site, Moraine, Ohio, TS-PIC-20205585S, under Contract No. 68-D-00-267.

The air photo analysis focused on about 25 acres (see roughly oval-shaped boundary in attached figure) that Region 5 was told was the extent of the landfill. Additional information obtained by Region 5 now indicates that the extent of landfilling and waste disposal operations at the site actually includes land north and south of the original 25 acre landfill - up to about 80 acres; and may also have occurred on a separate 25 to 30 acre parcel of land immediately east of the site, east of Dryden Road.

Some of the landfilling and waste disposal operations in these additional areas are already shown/interpreted on some of the figures in the Air Photo Analysis Report for the South Dayton Dump site (e.g., Figure 4, 1949; Figure 5, 1954; Figure 6, 1960). However, Region 5 is now wondering how difficult/costly it would be to revise or supplement the air photo analysis to include:

- 1) The identification of all landfilling/waste disposal operations on the entire 80-acre parcel of land west of Dryden Road/northwest of East River Road (see figure) for years 1936, 1938, 1949, 1952 and 1954. Interpretations are already provided for these areas in the report for years 1960, 1970, 1973, 1981, 1988, 1994 and 2000. Of special interest are excavations and pits, and any areas where drums or liquid wastes may have been disposed. Also of interest is whether there is any evidence of landfilling or dumping along the Great Miami River adjacent to the 80-acre site.
- 2) The identification of any landfilling/waste disposal operations on the 25-30 acre parcel of land east of Dryden Road bounded by the river to the north, the railroad tracks to the east, East River Road on the southeast, and Dryden Road on the west (see figure) for years 1936, 1938, 1949, 1952 and 1954. An interpretation

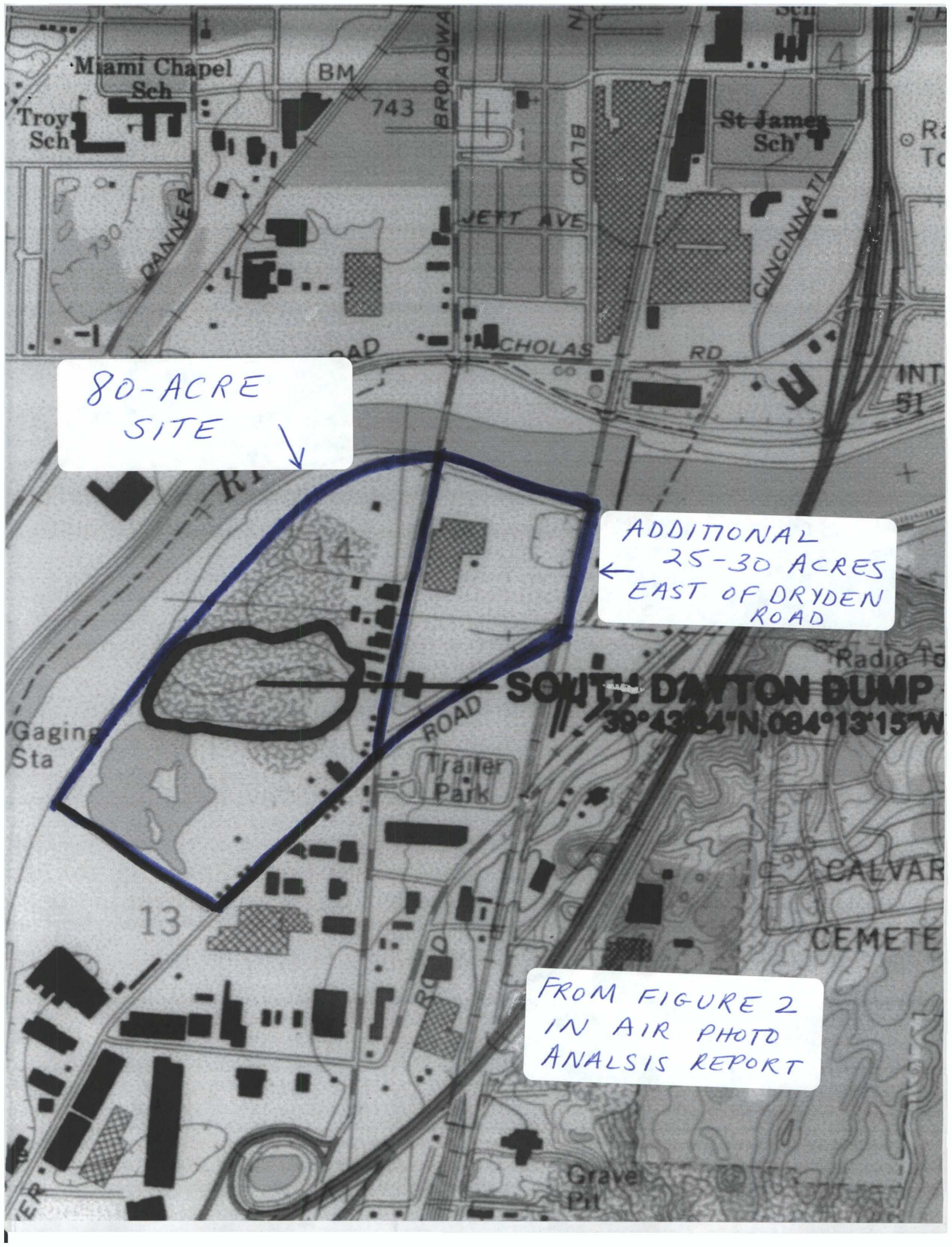
is already provided for this area in the report for 1960, and by 1970 this area appears to have been built over. Again, of special interest are excavations and pits, and any areas where drums or liquid wastes may have been disposed.

Your office provided me a copy of all the stereo pairs obtained during the air photo analysis (although not all of them were used for the report), so if you do not have copies in the file please let me know and I can easily return them to you.

Thank you so much for your time and assistance in this matter. I have always found EPA's air photo analyses to be a valuable tool in characterizing sites. Once I have some idea of how much effort this would take and what kind of time frame we are looking at, I will meet with the site team and then work with Steve Ostrodka in Region 5's Superfund Field Services Section to formalize the request.

If you have any questions or would like to discuss this further, please feel free to contact me at (312) 886-1843 or via email at cibulskis.karen@epa.gov.

cc: Tom Nash, ORC (via e-mail)



80-ACRE
SITE



ADDITIONAL
25-30 ACRES
← EAST OF DRYDEN
ROAD

SOUTH DAYTON BUMP

39°43'34"N, 084°13'15"W

FROM FIGURE 2
IN AIR PHOTO
ANALYSIS REPORT